Products & Materials

Nonlinear Curve-Fitting Software

ENZFITTER is a menu-driven software package that fits two sets of experimental data by nonlinear regression to an equation. The equations that can be fitted include linear regression, $pK_a$ determination, Michaelis-Menten kinetics, binding equations, single-exponential, double-exponential, first-order rate equations, or an equation entered by the user. Results are presented in both tabular and graphic form; displays on the screen may be printed as well. ENZFITTER reads LOTUS 1-2-3 PRN files. ENZFITTER operates on IBM PCs with 384 kilobytes of random-access memory, DOS 2.0 or later, and an IBM Color Graphics Adapter or an Enhanced Graphics Adapter—Hercules Graphics Adapter. Elsevier-BIOSOFT. Circle 536.

Immunochemical Reagents Against Rodents, Rabbits

Immunoglobulin G (IgG) against mice and rabbits is available in unconjugated, fluorescein-conjugated, horseradish peroxidase-conjugated, and biotinylated forms. The reagents against mice are made in horses; against rabbits, in goats. Most of these reagents have little or no cross-reactivity. The biotinylated IgG binds gamma chains, whereas the other reagents bind both heavy and light chains. Vector Laboratories. Circle 534.

Amino Acid Analyzer

The HP AminoQuant automatically analyzes 17 primary and secondary amino acids from the hydrolysates of proteins and peptides. Detection is in the low picomole range. The HP AminoQuant delivers typical relative standard deviations of better than 2% for measurements on 10 pmol of all specified amino acids. Calculations performed automatically include the amount of amino acid, residues per mole, expected molecular weight:calculated molecular weight, and the percentage of amino acids in sample. Hewlett-Packard. Circle 603.

Refrigerated, High-Speed Microcentrifuge

Model MR1411 is a refrigerated, high-speed microcentrifuge that accommodates tubes ranging from 0.5 to 10 ml. Its top speed is 12,000 rev/min, generating centrifugal forces as high as 13,690g. Rotor-chamber temperature may be held below ambient, so that samples need not be centrifuged in a cold room. Other features include closed-loop speed control, digital speed display, and automatic electronic braking. Jouan. Circle 539.

EM Specimens from Fresh Tissue

The Micro-Cut H1200 Microtome sections fresh or fixed tissue in thickness of 10 to 1000 μm without prior embedding or freezing. The vibrating blade causes minimal structural damage. Section thickness, cutting frequency, and forward speed are controlled by the user. The specimen may have a diameter as large as 40 mm. A high-power motor riding on crossed-roller linear bearings prevents vertical blade movement. Bio-Rad, Polaron Instruments Division. Circle 540.

Floating Tube Rack

The Bubble Rack is a molded, one-piece tube rack that floats. Tubes are held firmly in place, which prevents them from floating away and ensures uniform incubation, yet they may be released with light pressure on the side support. The Bubble Rack is fully autoclavable and is available in several sizes to hold tubes of capacities of 1.5 to 50 ml. Bel-Art Products. Circle 532.

X-ray Fluorescence Spectrometer

The SRS 303 is a compact, sequential, computer-controlled x-ray spectrometer with the window tube for sample excitation located at the end. An internal ten-position sample changer brings each sample in turn to a defined measuring position under vacuum. The window measures 19.5 mm by 125 μm. The reduced distance between the anode and the sample results in an intensity gain of as much as 40%. The software includes programs for both qualitative and quantitative analyses. Siemens Energy & Automation. Circle 537.

Literature

Synthetic, Rationally Designed C-Kinase Activators describes two products for studying protein kinase C. LC Services. Circle 542.

Radionuclides is a wall chart featuring the 16 most commonly used radionuclides and their characteristics. Packard Instrument. Circle 543.

Electrophoresis Products is a brochure describing equipment, supplies, and precast gels for isoelectric-focusing and polyacrylamide-gradient electrophoresis. Isolab. Circle 544.


Biolog is a newsletter that reports on research techniques in which CALBIOCHEM biochemicals are used. Behring Diagnostics. Circle 547.

Surface Heating for Research and Industry is a 16-page brochure describing special-application surface heaters, with emphasis on high-temperature applications of heating tapes and custom-designed blankets and jackets. BriskHeat. Circle 548.

Specialty Gases and Special Gases Equipment is a two-volume catalog set with specifications, properties, applications, and safety information for gases and gas mixtures in the first volume and technical specifications, functional schematics, and flow diagrams for gas-handling, gas-regulating, and gas-blending equipment in the second. Air Products and Chemicals. Circle 549.

Transfer and Immobilization of Nucleic Acid to Solid Supports is a chart describing techniques for Southern and Northern transfers, dot blots, slot blots, and colony and plaque lifts. Schleicher & Schuell. Circle 550.